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OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 27 July 1993 from the Permanent Mission of the Russian Federation to the United Nations addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations presents its compliments to the Secretary-General and, in conformity with article IV of the Convention on Registration of Objects Launched into Outer Space, has the honour to transmit information concerning space objects launched by the Russian Federation in December 1992 to May 1993 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN DECEMBER 1992

1. In December 1992, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2807	Molniya-3 (launched by a Molniya carrier rocket from the Plesetsk launch site)	2 December	39 103	466	62.9	701	Operation of the long-range telephone and telegraph radio-communications system, transmission of television programmes to stations in the Orbita network and international cooperation
2808	Cosmos-2223 (launched by a Soyuz carrier rocket from the Baikonur launch site)	9 December	300	189	64.7	89	Investigation of the upper atmosphere and outer space
2809	Cosmos-2224 (Prognoz series; launched by a Proton carrier rocket from the Baikonur launch site)	17 December	35 837	35 837	2.3	1 440	Investigation of outer space and processes occurring in the earth's atmosphere
2810	Cosmos-2225 (launched by a Soyuz carrier rocket from the Baikonur launch site)	22 December	337	179	64.9	89.4	Investigation of the upper atmosphere and outer space
2811	Cosmos-2226 (launched by a Tsiklon carrier rocket from the Plesetsk launch site)	22 December	1 538	1 498	73.7	116	Investigation of outer space
2812	Cosmos-2227 (launched by a Zenit carrier rocket from the Baikonur launch site)	25 December	880	852	71	102	"
2813	Cosmos-2228 (launched by a Tsiklon carrier rocket from the Plesetsk launch site)	25 December	681	646	82.5	97.8	"

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No.	Name of space object	Date of launching	Basic orbit characteristics: Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
2814	Cosmos-2229 (launched by a Soyuz carrier rocket from the Plesetsk launch site)	29 December	397	226	62.8	90.5	Study of the adaptation of living organisms to conditions of space flight, jointly with countries of the Commonwealth of Independent States, Austria, Canada, China, Czechoslovakia, France, Germany Lithuania, the United States of America and the European Space Agency

2. The following space objects ceased to exist in December 1992 and were no longer in earth orbit at 2400 hours Moscow time on 31 December 1992:

1991-072A (Cosmos-2164)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN JANUARY 1993

1. In January 1993, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2815	Cosmos-2230 (launched by a Cosmos carrier rocket from the Plesetsk launch site)	12 January	1 020	988	83	105	Determination of the position of ships of the merchant marine and fishing fleet in the world's oceans and seas as part of the Tsikada space-navigation system
2816	Molniya-1 (launched by a Molniya carrier rocket from the Plesetsk launch site)	13 January	40 609	647	63	735	Operation of the long-range telephone and telegraph radio-communications system, transmission of television programmes to stations in the Orbita network
2817	Cosmos-2231 (launched by a Soyuz carrier rocket from the Plesetsk launch site)	19 January	370	177	67.2	89.6	Investigation of the upper atmosphere and outer space
2818	Soyuz TM-16 (launched by a Soyuz carrier rocket from the Baikonur launch site)	24 January	308	257	51.6	89.9	Transport to the Mir manned orbital station of a crew of the thirteenth main expedition comprising the cosmonauts G. M. Manakov and A. F. Poleshchuk
2819	Cosmos-2232 (launched by a Molniya carrier rocket from the Plesetsk launch site)	26 January	39 400	613	62.8	708	Investigation of outer space

2. The following space objects ceased to exist in January 1993 and were no longer in earth orbit at 2400 hours Moscow time on 31 January 1993:

1983-046A (Cosmos-1463)
1984-068A (Cosmos-1578)
1992-077A (Cosmos-2220)
1992-095A (Cosmos-2229)

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN FEBRUARY 1993

1. In February 1993, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2820	Cosmos-2233 (launched by a Cosmos carrier rocket from the Plesetsk launch site)	9 February	1 021	972	82.9	104.8	Investigation of outer space
2821	Cosmos-2234*	17 February	19 129	19 129	64.9	675	Work on the Glonass global space navigation system being set up to determine the position of civil aircraft and vessels of the merchant marine and fishing fleet
2822	Cosmos-2235*	17 February	19 129	19 129	64.9	675	"
2823	Cosmos-2236*	17 February	19 129	19 129	64.9	675	"
2824	Progress M-16 (launched by a Soyuz carrier rocket from the Baikonur launch site)	21 February	254	191	51.6	88.7	Delivery of various cargoes to the Mir manned orbital station

* Space objects Cosmos-2234, Cosmos-2235 and Cosmos-2236 were launched by a single Proton carrier rocket from the Baikonur launch site.

2. The following space objects ceased to exist in February 1993 and were no longer in earth orbit at 2400 hours Moscow time on 28 February 1993:

1992-018A (Cosmos-2183)
1992-046A (Soyuz TM-15)
1992-071A (Progress M-15)
1992-091A (Cosmos-2225)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN MARCH 1993

1. In March 1993, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2825	Raduga (launched by a Proton carrier rocket from the Baikonur launch site)	25 March	36 509	36 509	1.4	1 473	Operation of telephone and telegraph radio-communications and transmission of television programmes
2826	Start-1 (experimental satellite; launched by a Start-1 carrier rocket from the Plesetsk launch site)	25 March	996	695	75.8	101	Full-scale mock-up (actual weight) for the flight-design testing of the Start-1 carrier rocket
2827	Cosmos-2237 (launched by a Zenit carrier rocket from the Baikonur launch site)	26 March	879	851	71	102	Investigation of outer space
2828	Cosmos-2238 (launched from the Baikonur launch site)	30 March	443	413	65	92.8	"
2829	Progress M-17 (launched by a Soyuz carrier rocket from the Baikonur launch site)	31 March	238	187	51.6	88.5	Delivery of consumables and various cargoes to the Mir manned orbital station

2. The following space objects ceased to exist in March 1993 and were no longer in earth orbit at 2400 hours Moscow time on 31 March 1993:

1993-004A (Cosmos-2231)
1991-005A (Cosmos-2122)
1993-012A (Progress M-16)

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN APRIL 1993

1. In April 1993, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2830	Cosmos-2239 (launched by a Cosmos carrier rocket from the Plesetsk launch site)	1 April	1 011	979	82.9	104.8	Investigation of outer space
2831	Cosmos-2240 (launched by a Soyuz carrier rocket from the Plesetsk launch site)	2 April	342	196	62.8	89.6	Investigation of the upper atmosphere and outer space
2832	Cosmos-2241 (launched by a Molniya carrier rocket from the Plesetsk launch site)	6 April	39 171	620	62.8	706	Investigation of outer space
2833	Cosmos-2242 (launched by a Tsiklon carrier rocket from the Plesetsk launch site)	16 April	680	645	82.5	97.8	"
2834	Molniya-3 (launched by a Molniya carrier rocket from the Plesetsk launch site)	21 April	40 610	671	63	735	Operation of the long-range telephone and telegraph radio-communications system, transmission of television programmes to stations in the Orbita network and international cooperation
2835	Cosmos-2243 (launched by a Soyuz carrier rocket from the Baikonur launch site)	27 April	274.4	204.4	70.4	89	Investigation of the upper atmosphere and outer space
2836	Cosmos-2244 (launched from the Baikonur launch site)	28 April	437	412	65	92.8	Investigation of outer space

2. The following space objects ceased to exist in April 1993 and were no longer in earth orbit at 2400 hours Moscow time on 30 April 1993:

1986-017FY (Mak-2)
1977-061A (Cosmos-925)

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN MAY 1993

1. In May 1993, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
2837	Cosmos-2245*	11 May	1 440	1 401	83	114.3	Investigation of outer space
2838	Cosmos-2246*	"	"	"	"	"	"
2839	Cosmos-2247*	"	"	"	"	"	"
2840	Cosmos-2248*	"	"	"	"	"	"
2841	Cosmos-2249*	"	"	"	"	"	"
2842	Cosmos-2250*	"	"	"	"	"	"
2843	Resurs-F (launched by a Soyuz carrier rocket from the Plesetsk launch site)	21 May	285	194	82.6	88.9	Investigation of the natural resources of the earth for the various branches of the national economy, the solution of environmental problems and international cooperation
2844	Progress M-18 (launched by a Soyuz carrier rocket from the Baikonur launch site)	22 May	258	194	51.6	88.7	Delivery of consumables and various cargoes to the Mir manned orbital station
2845	Molniya-1 (launched by a Molniya carrier rocket from the Plesetsk launch site)	26 May	40 883	454	62.7	▸737	Operation of the long-range telephone and telegraph radio-communications system, transmission of television programmes to stations in the Orbita network

* Space objects Cosmos-2245, Cosmos-2246, Cosmos-2247, Cosmos-2248, Cosmos-2249 and Cosmos-2250 were launched by a single Tsiklon carrier rocket from the Plesetsk launch site.

2. The following space object ceased to exist in May 1993 and were no longer in earth orbit at 2400 hours Moscow time on 31 May 1993:

1993-028A (Cosmos-2243)